



EPA Region 5 Records Ctr.



317100

November 10, 2008
(Via certified or express mail)

Mr. Kevin Turner-Environmental Scientist, OSC
U. S. Environmental Protection Agency
c/o Crab Orchard National Wildlife Refuge
8588 Rt. 148
Marion, IL 62959

Mr. Thomas Martin, Esq.
Associate Regional Counsel
77 West Jackson Boulevard (C-14J)
Chicago, IL 60604-3590

**Re: Sauget Sites Area I - May 31, 2000 Unilateral Administrative Order (UAO)
Sediment / Soils Removal Action
Monthly Report; October 1 – October 31, 2008 Reporting Period**

Dear Mr. Turner and Mr. Martin,

Enclosed is the Monthly Report for the Sauget Sites Area I May 31, 2000 Unilateral Administrative Order ("UAO") Sediment Removal Action. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section V, and paragraph 3.4. Reporting and covers the period from October 1 to October 31, 2008.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Smith".

Steven D. Smith
Project Coordinator

cc: Leah Evison – USEPA Region 5
Sandra Bron - IEPA
Mike Coffey - USFW
Richard Williams - Solutia
Cathleen Bumb - Solutia
Mayor Frank Bergman - Cahokia
Village of Sauget – c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor R. Sauget - Sauget, IL
Julie Peshkin - Monsanto
Linda Tape - Husch Blackwell Sanders LLP

Sauget Sites Area I - Sauget, Illinois

May 31, 2000 UAO – Dead Creek Sediment Removal Action

Status Report

Date of Report: November 10, 2008
Period Covered: October 1, 2008 – October 31, 2008

Work Performed During the Reporting Period

Groundwater Monitoring

- *Revision 01 of the Draft Groundwater Monitoring Plan - submitted to the Agencies on August 3, 2001. Although it has not received Agency approval, it has been implemented.*

TSCA Containment Cell

- *The Operations and Maintenance Report - submitted for the Agencies' review and approval on August 28, 2001- remains under review. Portions of the Plan applicable to the placement of sediments have been approved.*
- Performed inspections of the site.
- Maintained stormwater and leachate collection controls around the containment cell.
- Monitored support area facilities.
- Began analysis of the third quarter 2008 groundwater samples from the monitoring wells around the containment cell.

Dead Creek

As of the end of October, construction of the liner in Sector B of Dead Creek was still shut down and will remain so until the groundwater level in the vicinity of the site recedes sufficiently to allow construction equipment to operate in the bottom of the creek without the need for extensive dewatering activities. Water levels in the various Dead Creek segments began to decline during the reporting period and the decline was accelerated by the replacement of the pump at Parks College with a larger, higher capacity pump. By the end of the month, the reach between Jerome Lane and Parks College had essentially been dewatered. The reduction in water levels allowed stormwater to be pumped downstream from Sector B and the lined section of this sector

had also been dewatered by the end of the month. Removal and treatment of groundwater from the unlined portion of Sector B also began during the month.

To date, approximately 98 percent of the fill placement along the banks of the creek has been completed and geosynthetics have been deployed and welded from Queeny Avenue to within 300 feet of Judith Lane. In addition, the flexible concrete matting for erosion protection on the steeper banks of the creek has been installed on the northern end of the site, and the crushed stone bedding and rip rap layers have been constructed over all of the geosynthetic materials.

The Agency has requested that a comprehensive construction completion report be prepared summarizing all of the removal work carried out in Dead Creek. That report will include sediment removal performed in 2001 and 2002, details of the containment cell construction, information on the additional excavations performed in 2005 and 2006, and the results of the investigation into the potential for cadmium to leach into groundwater. That report is being prepared, but will not be finalized until construction of the liner in Creek Sector B is complete and the as-built configuration is available. However, at a meeting held on August 19th, the Agency requested that a report be prepared summarizing the post excavation constituent concentrations in the surficial soils along the entire creek.

An application was submitted to the American Bottoms Regional Treatment Facility on October 29, 2008 for approval to discharge leachate extracted from the primary and secondary leachate collection systems of the containment cell, as well as contact stormwater.

Data Submittal

No data are submitted with this report.

Work Scheduled for Next Reporting Period

- Conduct routine inspection of the containment cell.
- Perform necessary operation and maintenance activities on the containment cell and temporary treatment system.
- Continue to fund the Village of Cahokia's operation of the creek dewatering system.
- Complete the analyses of third quarter 2008 groundwater samples from the wells around the containment cell.
- Continue work on the installation of the liner in CS-B if water levels permit. .
- Submit the report summarizing the post excavation constituent concentrations in the surficial soils along the creek.

PROJECT COMPLETION

Mobilization	100 %
Berm Construction	100 %
Liner Installation	100 %
Sediment Removal Preparation	100 %
Sediment Excavation (Site M)	100 %
Sediment Excavation (Original Scope of Work)	100 %
Sediment Excavation (Sector F)	100 %
Temporary Cover installation	100 %
Demobilization - Phase I	100 %
Final Cover Installation	0 %
Demobilization - Phase II	0 %
Final Report Preparation	0 %